

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Original): A method for manufacturing a tube for use in an aluminum heat exchanger, the method comprising the steps of:

preparing an aluminum flat tube core;

forming a sprayed layer on a surface of the tube core by thermally spraying alloy containing Cu (including its alloy) and Zn (including its alloy), or an alloy containing Cu and Zn, wherein the sprayed layer contains Cu and Zn and Si content is 2 mass% or less.

Claim 2 (Original): The method for manufacturing a tube for use in an aluminum heat exchanger as recited in claim 1, wherein a Cu adhesion amount of the sprayed layer is adjusted to 1 to 10 g/m².

Claim 3 (Currently Amended): The method for manufacturing a tube for use in an aluminum heat exchanger as recited in claim 1 ~~or 2~~, wherein a Zn adhesion amount of the sprayed layer is adjusted to 1 to 20 g/m².

Claim 4 (Currently Amended): The method for manufacturing a tube for use in an aluminum heat exchanger as recited in ~~any one of claims~~ claim 1 ~~to 3~~, wherein an average thickness of the sprayed layer is adjusted to 0.4 to 50 μm.

Claim 5 (Currently Amended): The method for manufacturing a tube for use in an aluminum heat exchanger as recited in ~~any one of claims~~ claim 1 ~~to 4~~, wherein the tube core is constituted by aluminum alloy material in which a Cu content is 0.05 mass% or less.

Claim 6 (Currently Amended): The method for manufacturing a tube for use in an aluminum heat exchanger as recited in ~~any one of claims~~ claim 1 ~~to 5~~, wherein the tube core is constituted by Al-Mn series alloy.

Claim 7 (Currently Amended): The method for manufacturing a tube for use in an aluminum heat exchanger as recited in ~~any one of claims~~ claim 1 ~~to 6~~, wherein the tube core is constituted by JIS 3003 alloy.

Claim 8 (Currently Amended): The method for manufacturing a tube for use in an aluminum heat exchanger as recited in ~~any one of claims~~ claim 1 ~~to 7~~, wherein the tube core is formed by extrusion.

Claim 9 (Currently Amended): The method for manufacturing a tube for use in an aluminum heat exchanger as recited in ~~any one of claims~~ claim 1 ~~to 8~~, wherein the thermal spraying processing is performed by arc thermal spraying.

Claim 10 (Currently Amended): The method for manufacturing a tube for use in an aluminum heat exchanger as recited in ~~any one of claims~~ claim 1 ~~to 9~~, wherein the thermal spraying processing is performed by thermally spraying Al-Cu-Zn series alloy.

Claim 11 (Currently Amended): The method for manufacturing a tube for use in an aluminum heat exchanger as recited in ~~any one of claims~~ claim 1 ~~to 9~~, wherein the thermal spraying processing is performed by thermally spraying Cu-Zn alloy.

Claim 12 (Currently Amended): The method for manufacturing a tube for use in an aluminum heat exchanger as recited in ~~any one of claims~~ claim 1 ~~to 9~~, wherein the thermal spraying processing includes Cu thermal spraying processing for thermally spraying Cu alloy and Zn thermal spraying processing for thermally spraying Zn.

Claim 13 (Original): The method for manufacturing a tube for use in an aluminum heat exchanger as recited in claim 12, wherein the Cu thermal spraying processing and the Zn thermal spraying processing are performed simultaneously.

Claim 14 (Original): The method for manufacturing a tube for use in an aluminum heat exchanger as recited in claim 12, wherein the Cu thermal spraying processing and the Zn thermal spraying processing are performed at different time points.

Claim 15 (Currently Amended): The method for manufacturing a tube for use in an aluminum heat exchanger as recited in ~~any one of claims~~ claim 12 ~~to 14~~, wherein the thermal spraying processing is performed by thermally spraying Cu alloy and Zn by generating arc using a Cu alloy wire and a Zn wire.

Claim 16 (Currently Amended): The method for manufacturing a tube for use in an aluminum heat exchanger as recited in ~~any one of claims~~ claim 1 ~~to 15~~, wherein the thermal spraying processing is performed in inert gas atmosphere.

Claim 17 (Currently Amended): A tube for use in an aluminum heat exchanger, wherein the tube is manufactured by the method as recited in ~~any one of claims~~ claim 1 ~~to 16~~.

Claim 18 (Currently Amended): An aluminum heat exchanger in which an aluminum tube for use in a heat exchanger tube and a fin are brazed in a combined state, wherein the tube is constituted by the tube for use in an aluminum heat exchanger manufactured by the method as recited in ~~any one of claims~~ claim 1 ~~to 16~~.

Claim 19 (Original): The aluminum heat exchanger as recited in 18, wherein the tube for use in a heat exchanger comprises a Cu diffusion layer for pressure resistance and heat resistance and a Zn diffusion layer for sacrifice corrosion.

Claim 20 (Original): The aluminum heat exchanger as recited in 19, wherein the Cu diffusion layer is formed in the Zn diffusion layer.

Claim 21 (Currently Amended): A refrigeration cycle in which refrigerant compressed by a compressor is condensed by a condenser, the condensed refrigerant is decompressed by a decompression device, the decompressed refrigerant is evaporated by an evaporator and then returned to the compressor,

wherein the condenser is constituted by the aluminum heat exchanger as recited in ~~any one of claims~~ claim 18 ~~to 20~~.

Claim 22 (Original): A car air-conditioning device provided with the refrigeration cycle as recited in claim 21.